

## ABSTRACT

An enzymatic array is provided, which composition comprises one or more enzymes non-covalently bound to a peptide backbone, wherein at least one of the enzymes is heterologous to the peptide backbone and the peptide backbone is capable of having bound thereto a plurality of enzymes. The array is useful, for example, in recovery systems, targeted multi-enzyme delivery systems, soluble substrate modification, quantification type assays, and other applications in the food industry, feed, textiles, bioconversion, pulp and paper production, plant protection and pest control, wood preservatives, topical lotions and biomass conversions.

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